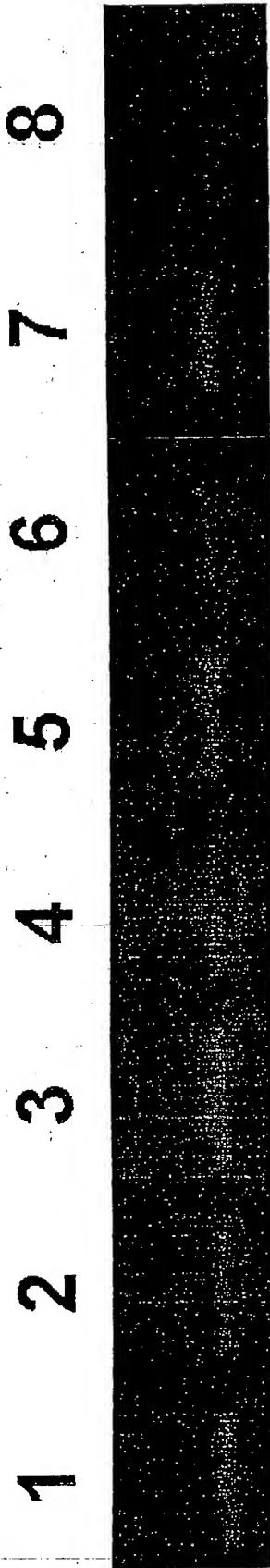


FIGURE 1

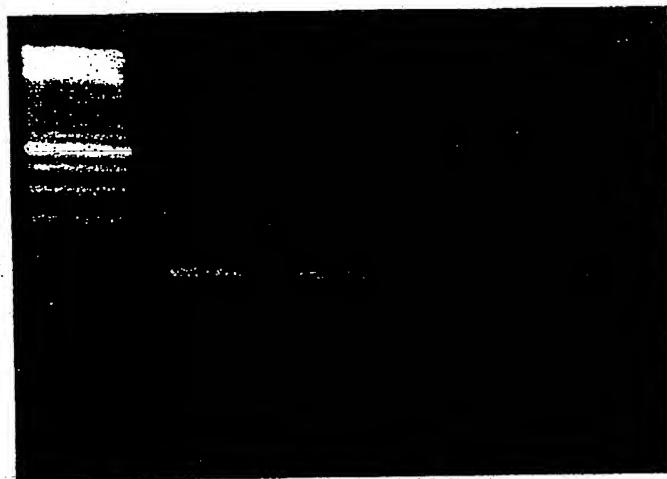
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**FIGURE 2**



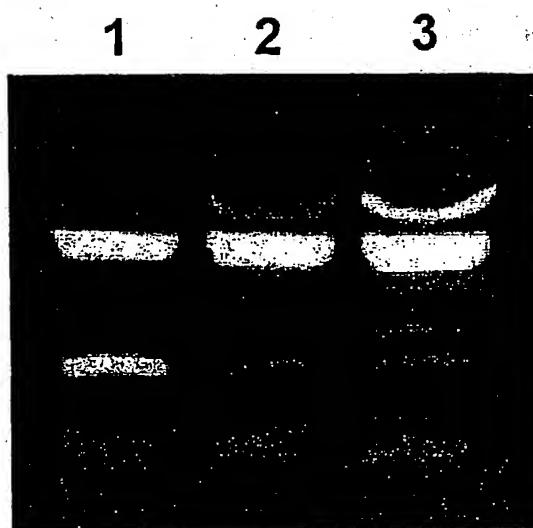
**BEST AVAILABLE COPY**

1 2 3 4



**FIGURE 3**

**BEST AVAILABLE COPY**

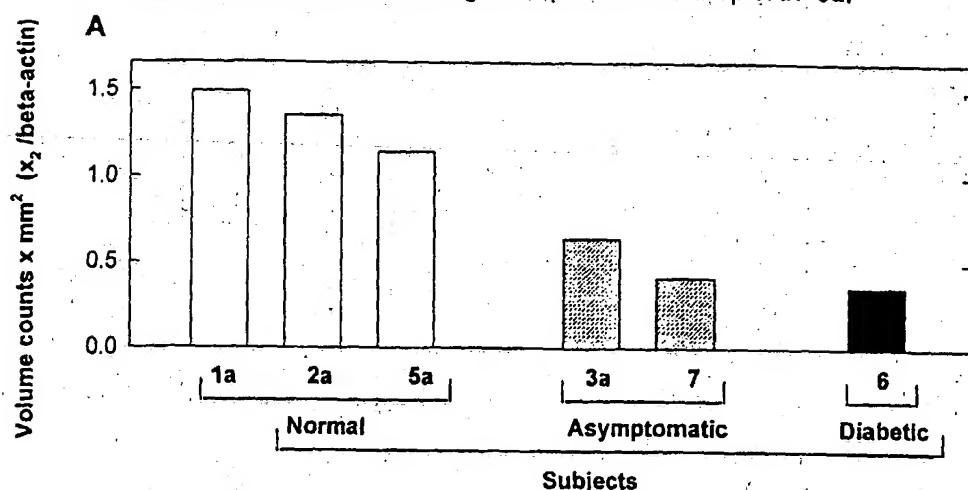


**FIGURE 4**

**BEST AVAILABLE COPY**

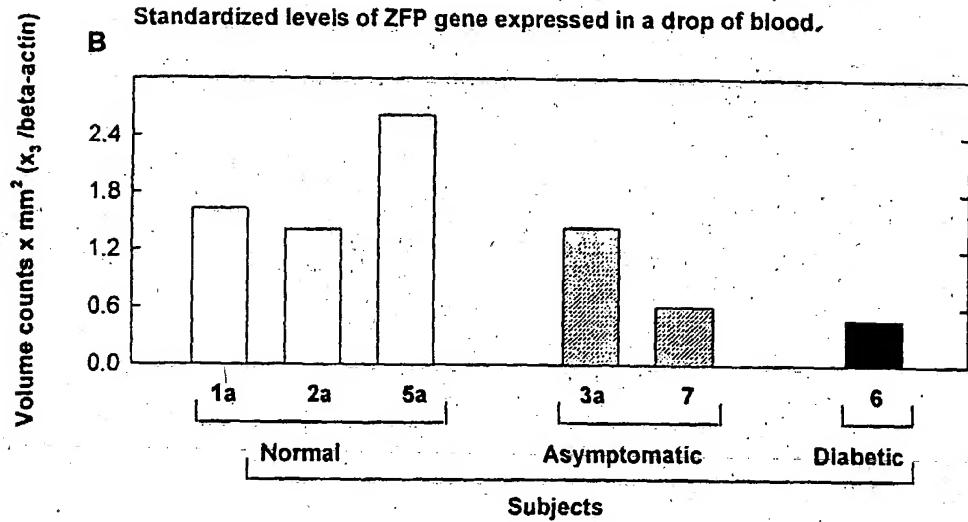
Standardized levels of insulin gene expressed in a drop of blood.

**A**



Standardized levels of ZFP gene expressed in a drop of blood.

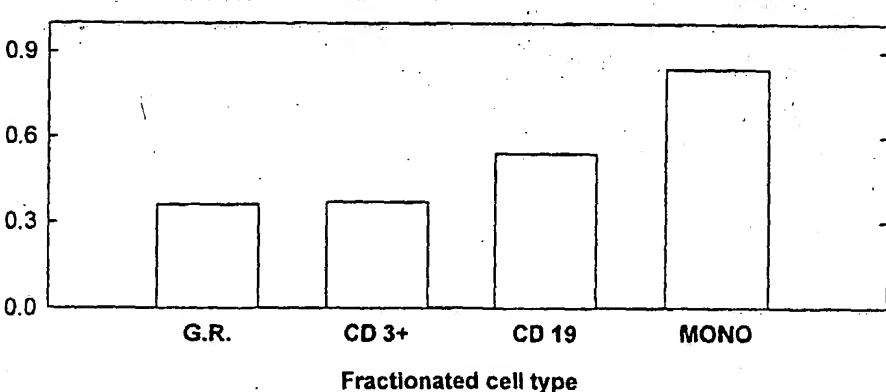
**B**



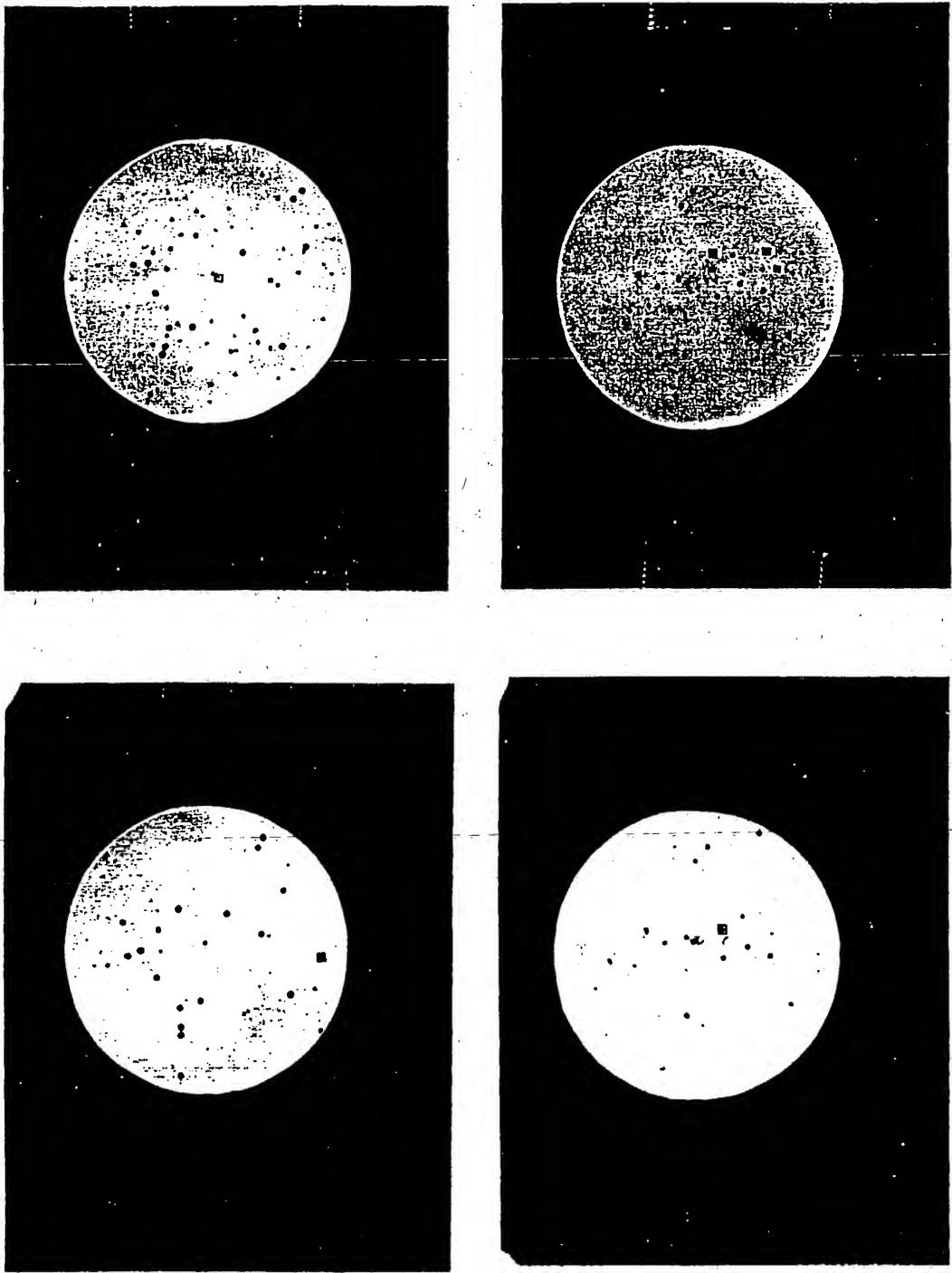
**C** Standardized levels of insulin gene expressed in each fractionated cell from whole blood.

Volume counts x mm² (x₂ /beta-actin)

Fractionated cell type



**FIGURE 5**



**FIGURE 6**  
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Total: 13,283 ESTs  
Known: 6,283  
Mitochondrial: 405  
Ribosome: 498  
Repeat: 868  
Mis.: 156  
Novel: 2,718

## Human Blood



## Human Fetal Heart

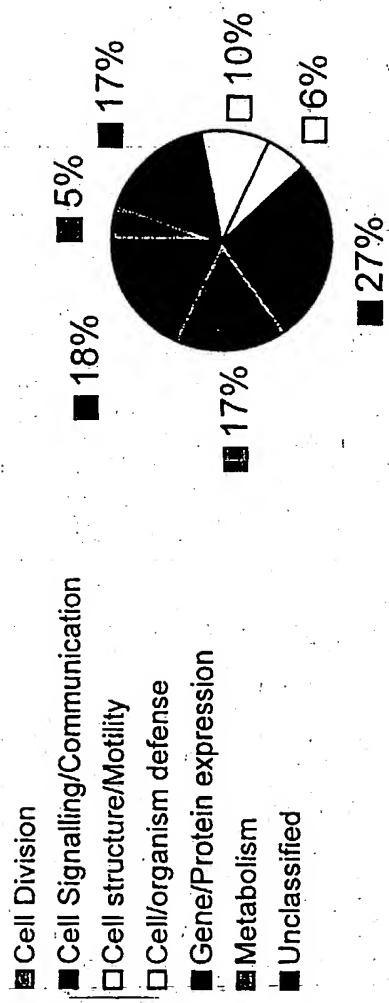
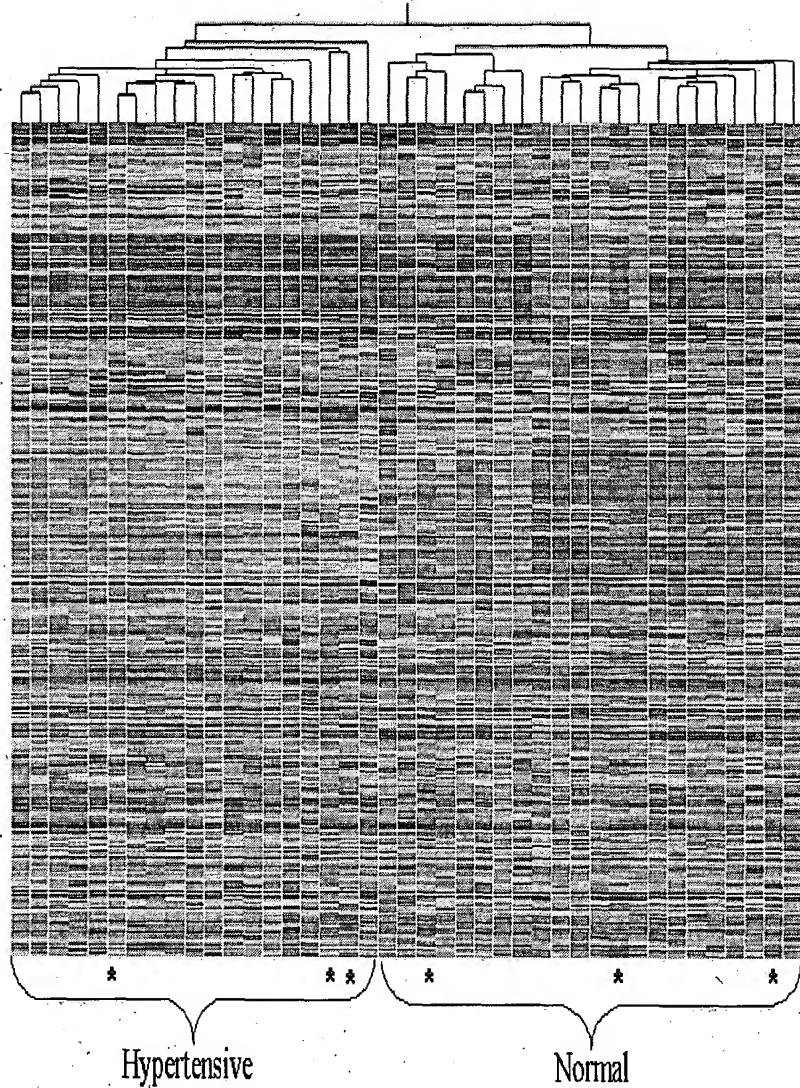


FIGURE 7

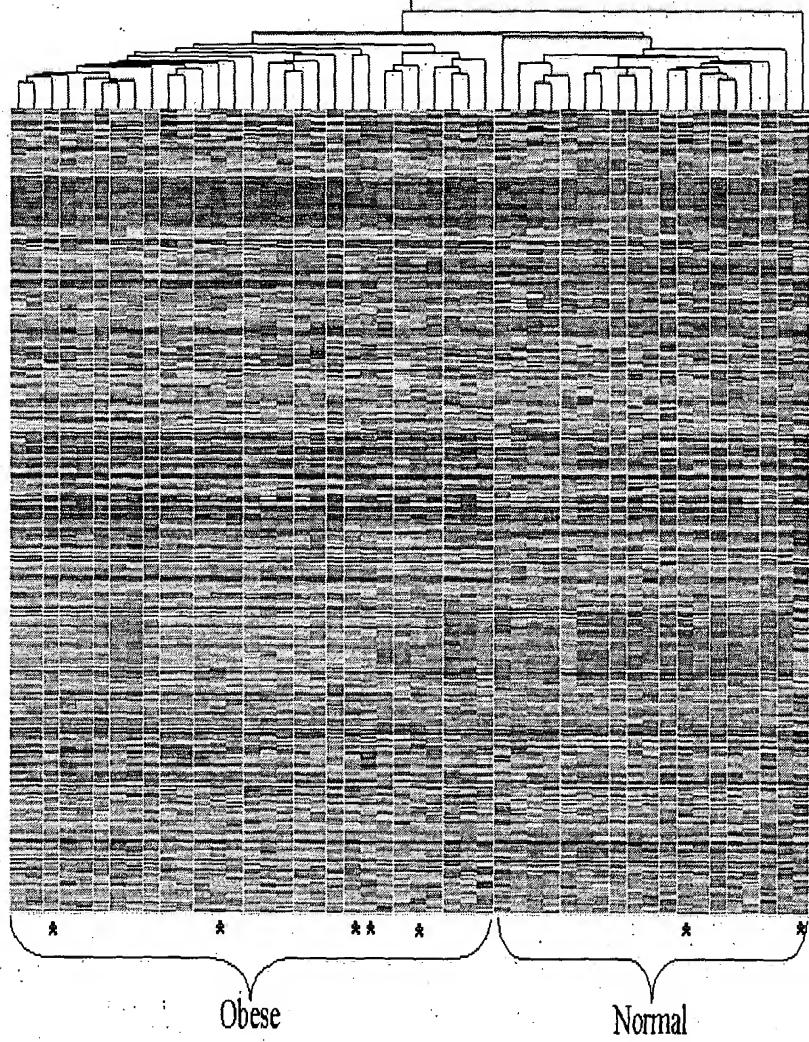
Figure 8  
Hypertension



Hypertensive: 19  
Normal: 22  
Differentially Expressed Genes ( $p < 0.05$ ): 861

Figure 9

Obesity



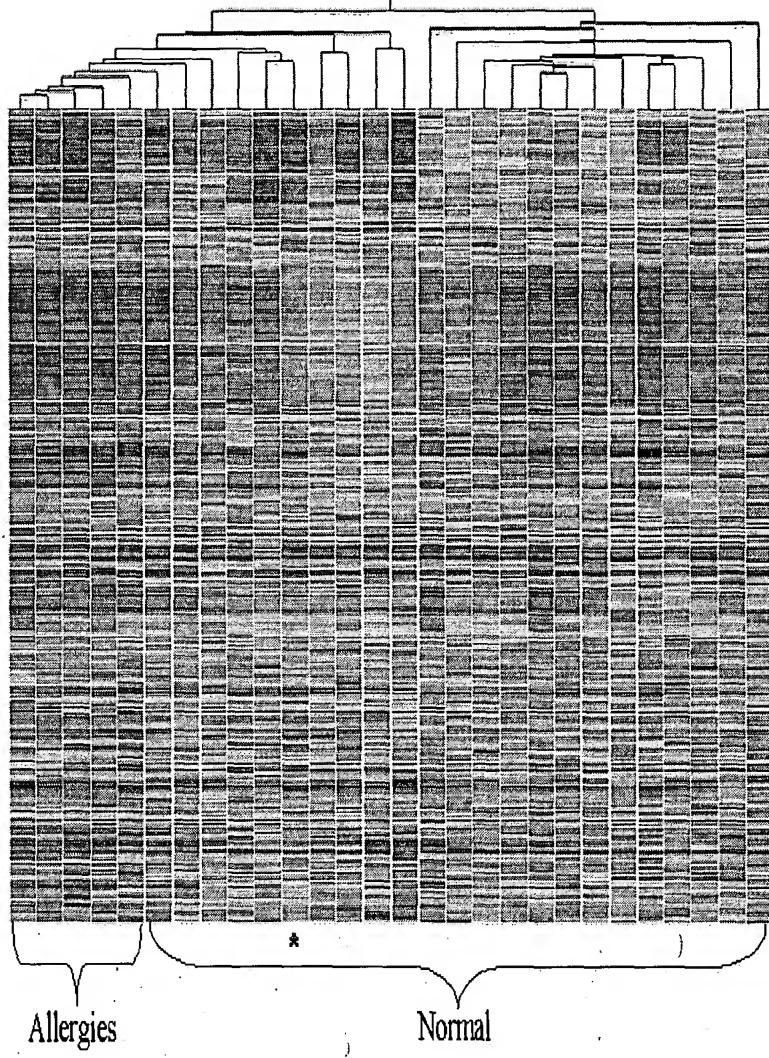
Obese: 25

Normal: 22

Differentially Expressed Genes ( $p < 0.05$ ): 913

Figure 10

Allergies

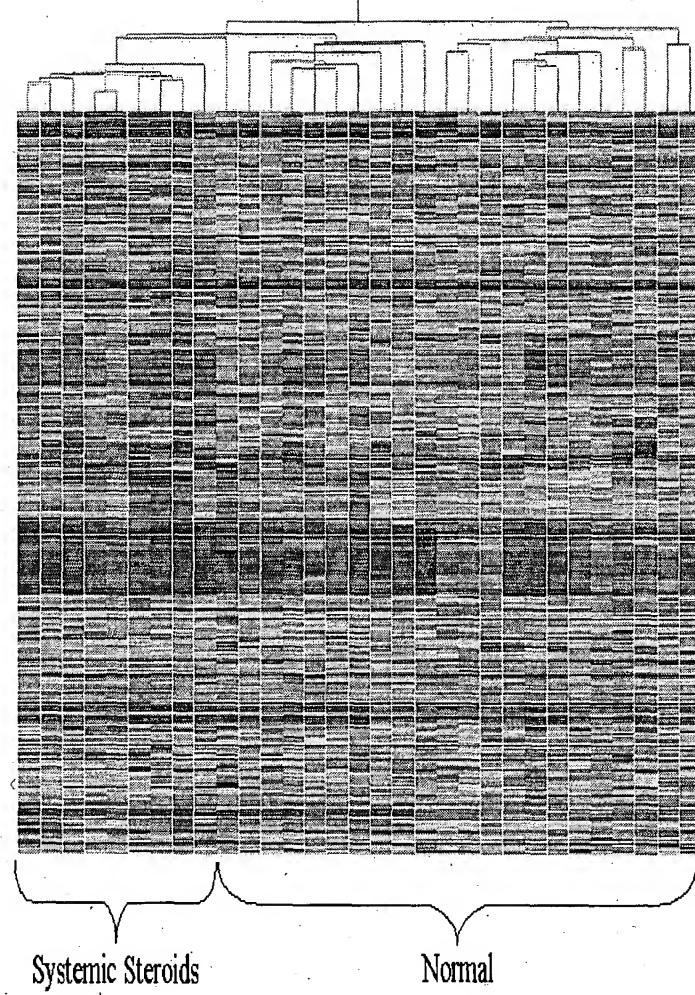


Allergies: 6

Normal: 22

Differentially Expressed Genes ( $p < 0.05$ ): 633

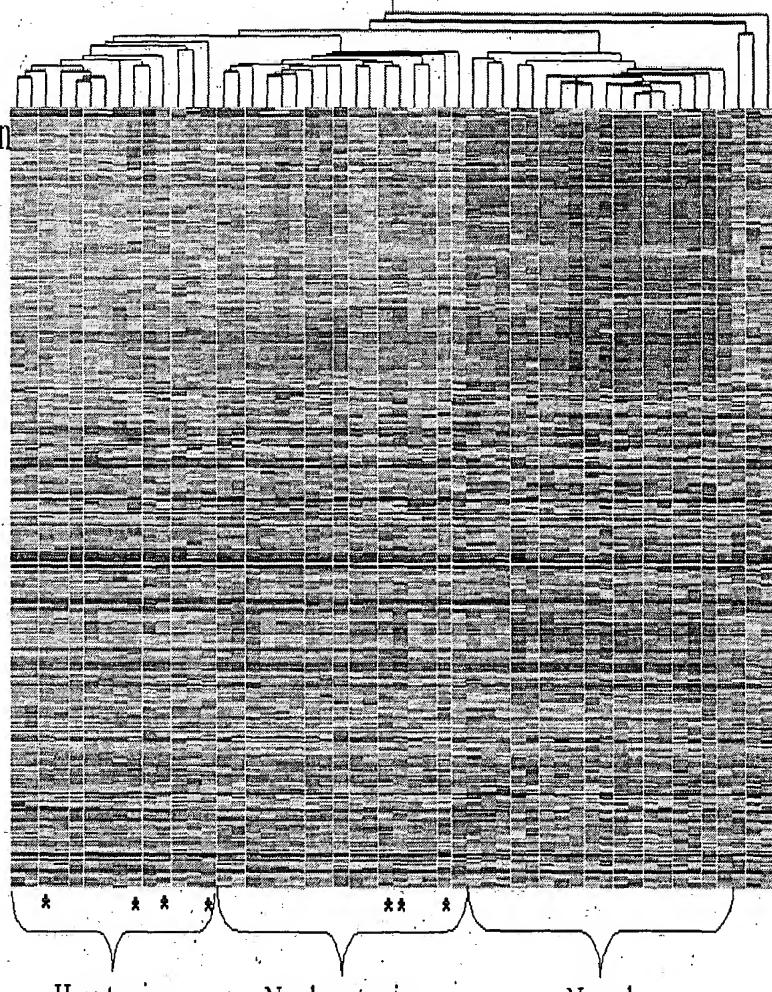
Figure 11  
Systemic  
Steroids



Systemic Steroids: 9  
Normal: 22  
Differentially Expressed Genes ( $p < 0.05$ ): 605

Figure 12

Hypertension



Hypertensive: 10

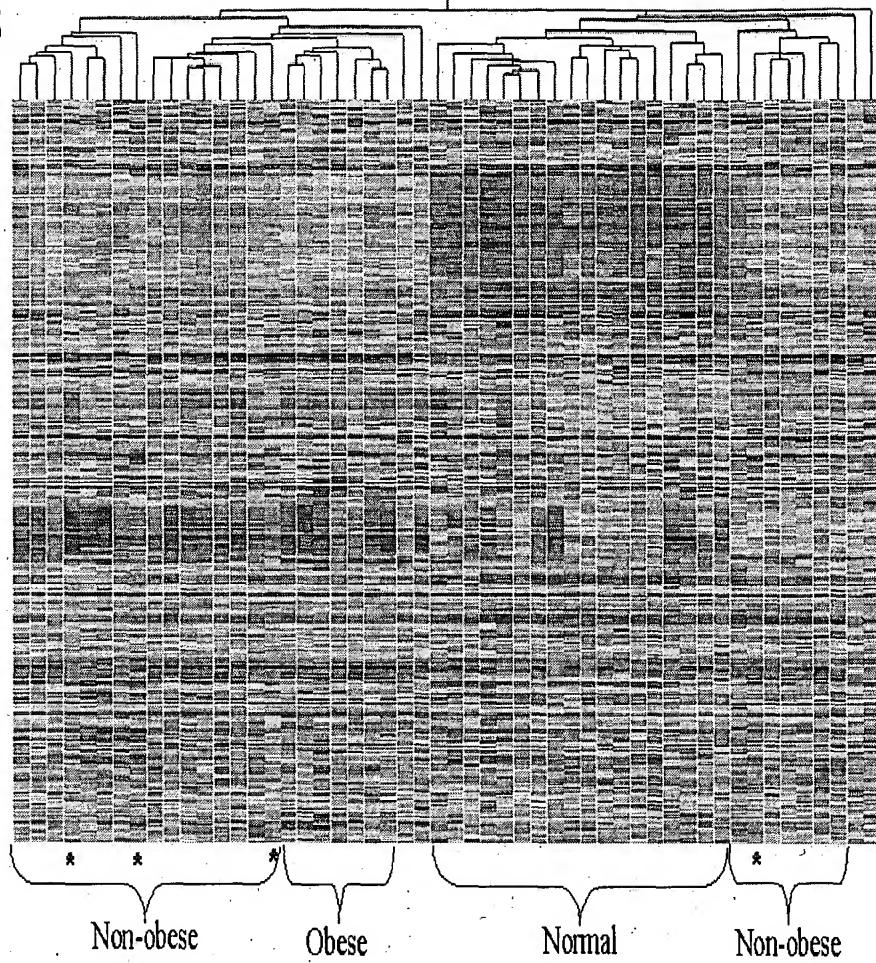
Non-hypertensive: 18

Normal: 24

Differentially Expressed Genes ( $p < 0.05$ ): 1,993

Figure 13

Obesity



Obese: 8

Non-obese: 20

Normal: 24

Differentially Expressed Genes ( $p < 0.05$ ): 1,147

Figure 14

Diabetes  
Type 2

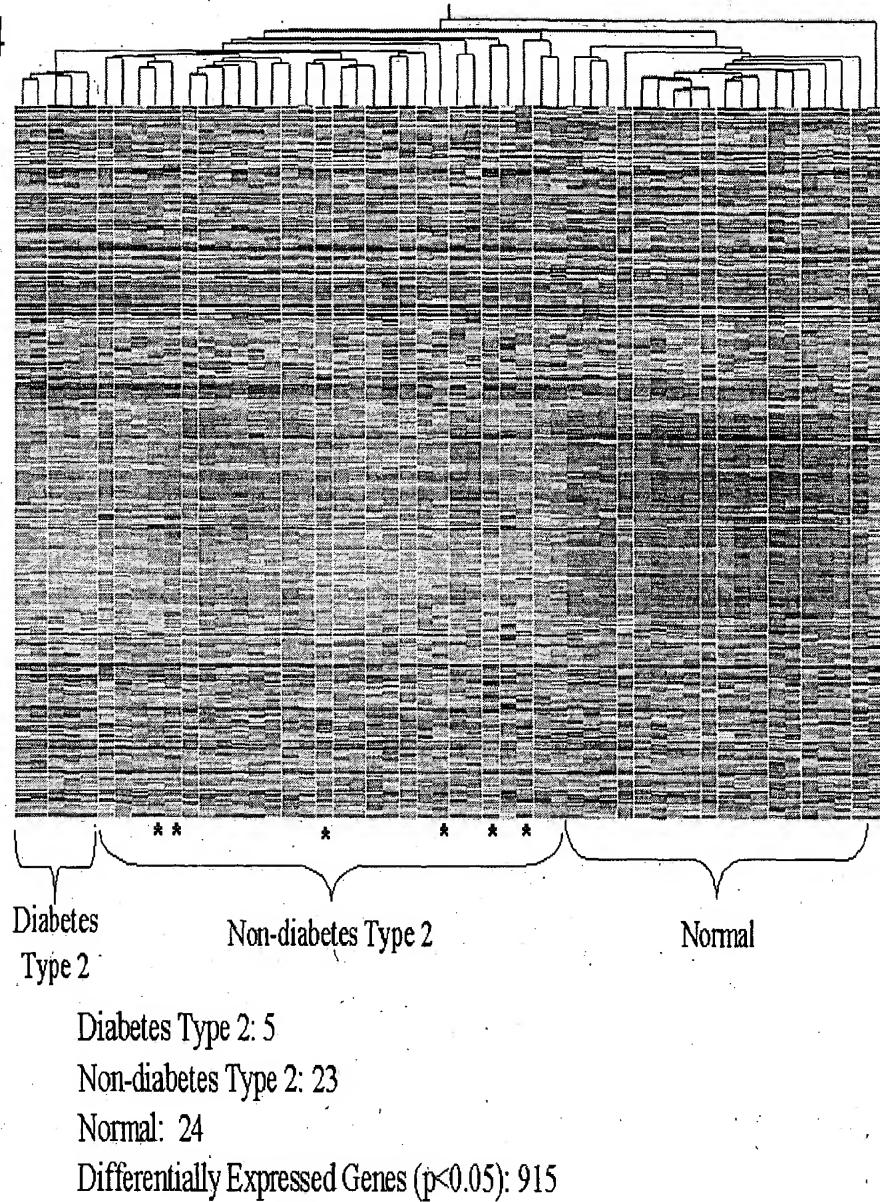


Figure 15

Hyperlipidemia

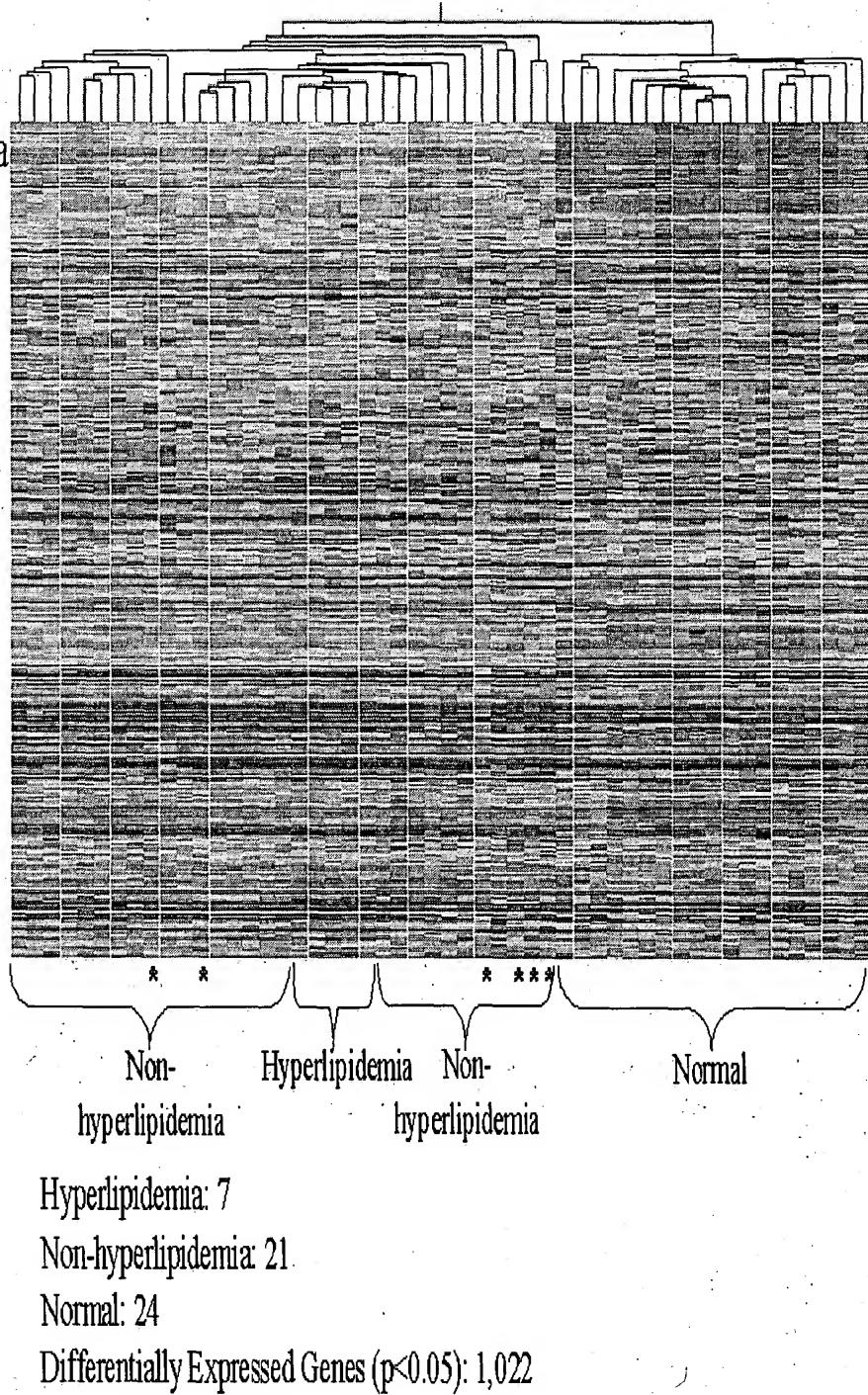
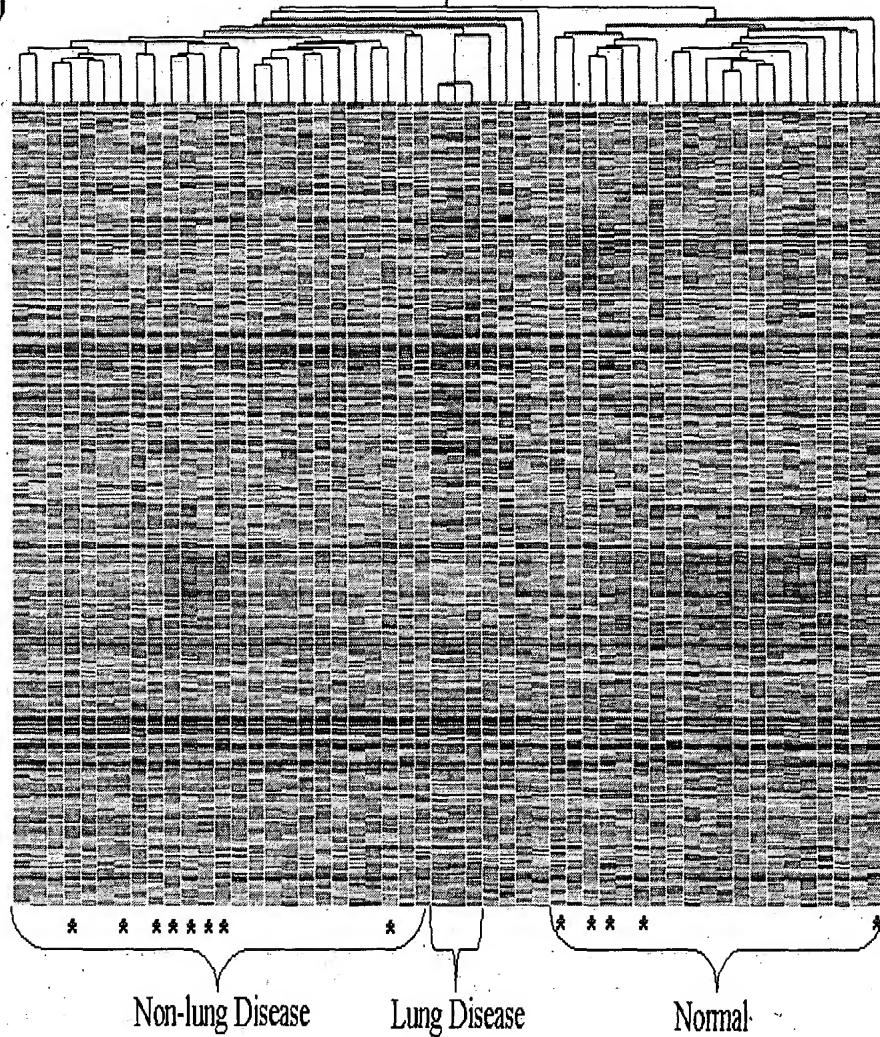


Figure 16

Lung  
Disease



Lung Disease: 3

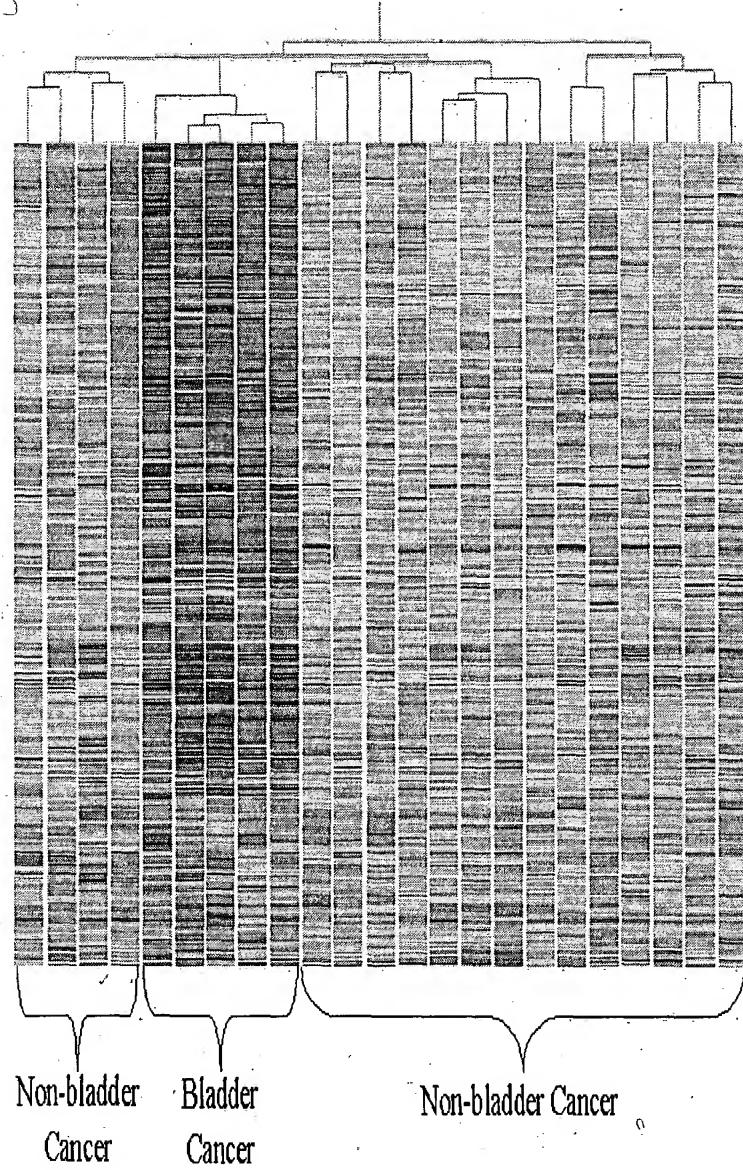
Non-lung Disease: 25

Normal: 24

Differentially Expressed Genes ( $p < 0.05$ ): 596

Figure 17

Bladder  
Cancer



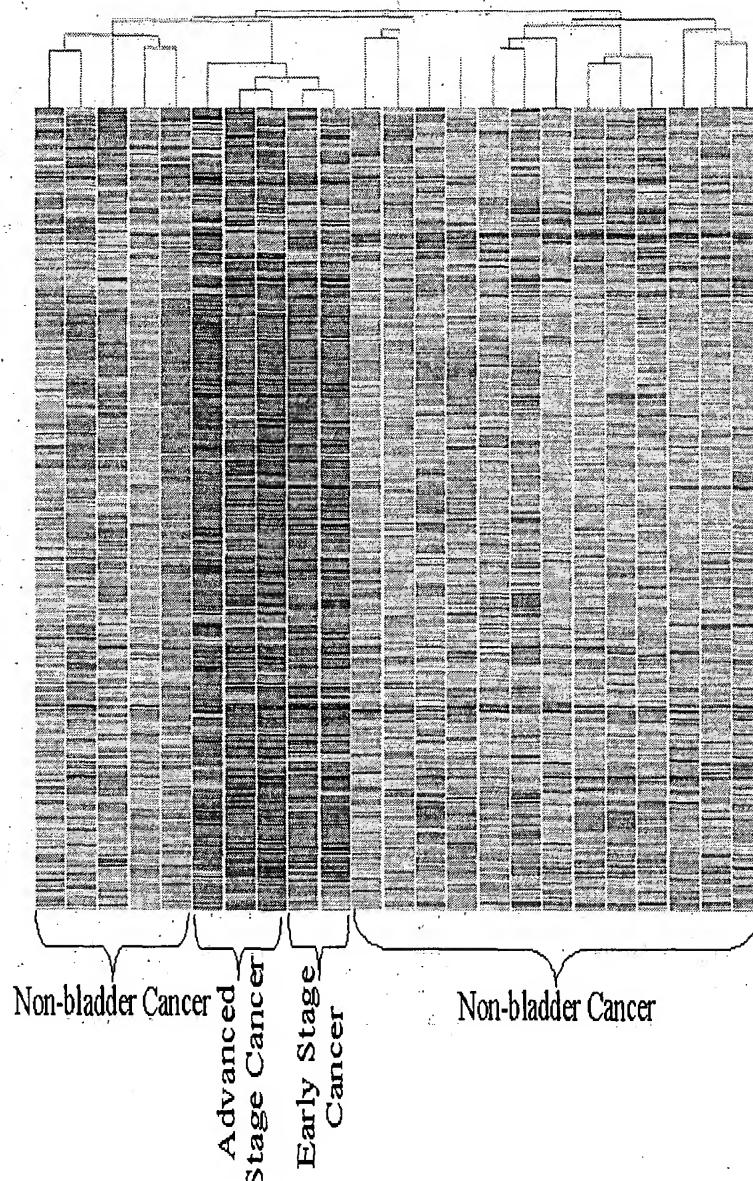
Bladder Cancer: 5

Non-bladder Cancer: 18

Differentially Expressed Genes ( $p < 0.05$ ): 4,228

Figure 18

Bladder  
Cancer



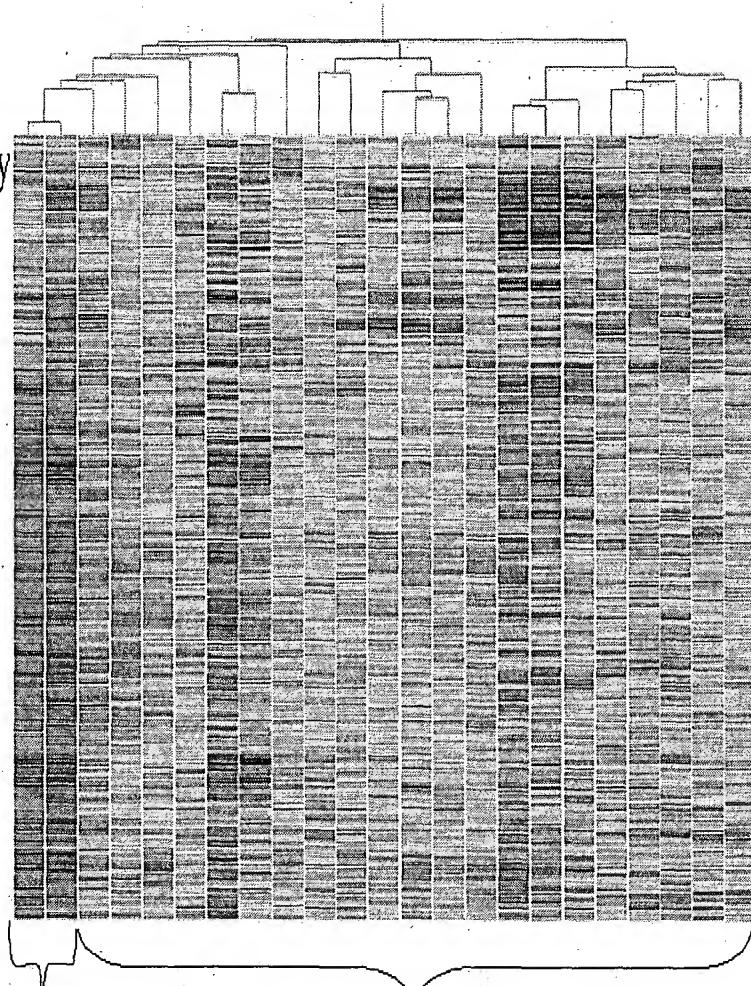
Bladder Cancer: 3 advanced stage, 2 early stage

Non-bladder Cancer: 18

Differentially Expressed Genes ( $p < 0.05$ ): 3,518

Figure 19

Coronary Artery  
Disease



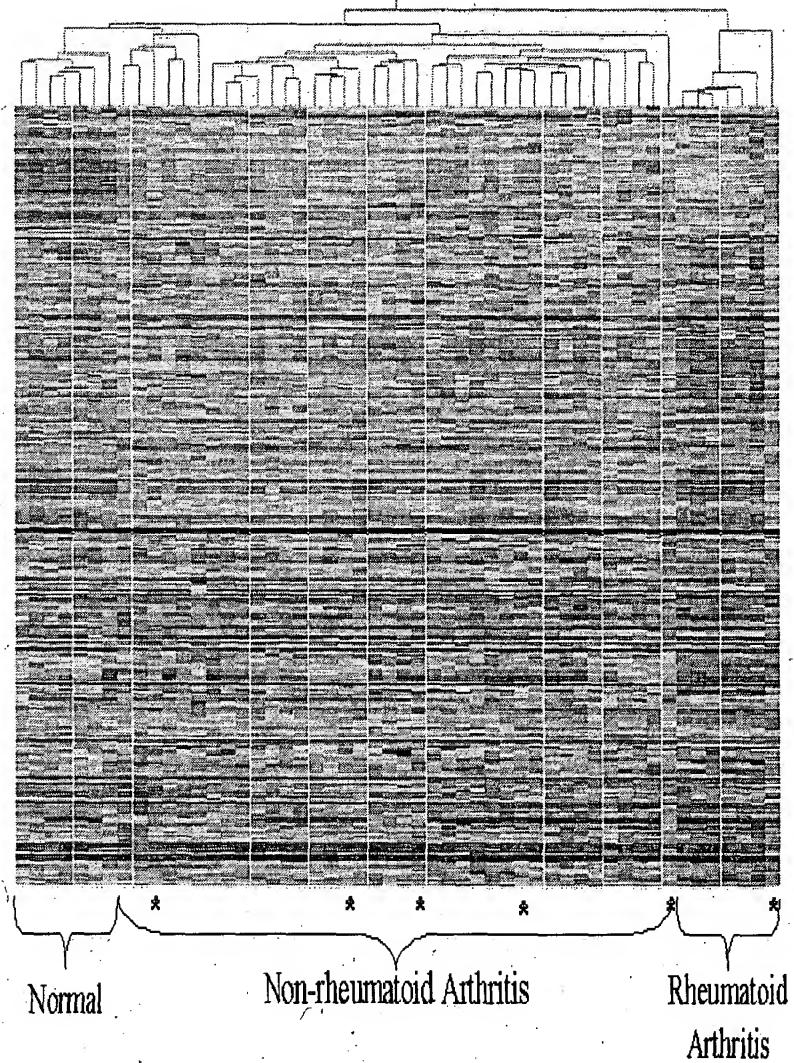
Coronary Artery  
Disease

Non-coronary Artery Disease

Coronary Artery Disease: 2  
Non-coronary Artery Disease: 21  
Differentially Expressed Genes ( $p < 0.05$ ): 967

Figure 20

Rheumatoid  
Arthritis



Rheumatoid Arthritis: 6

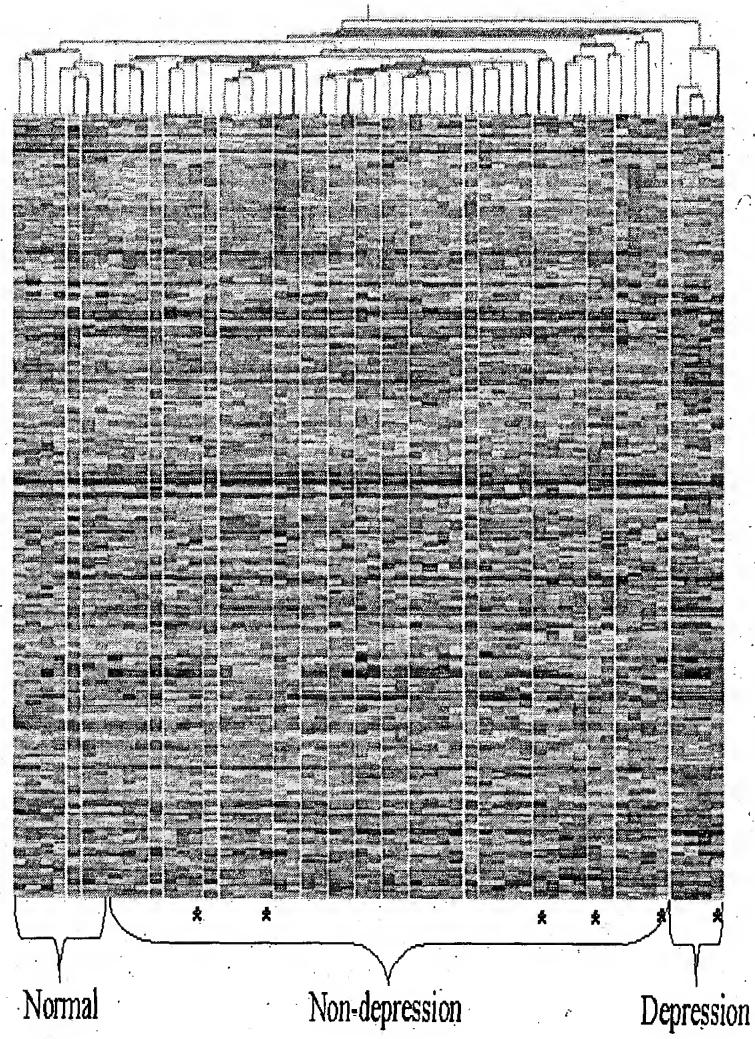
Non-rheumatoid Arthritis: 34

Normal: 12

Differentially Expressed Genes ( $p < 0.05$ ): 2,068

Figure 21

Depression



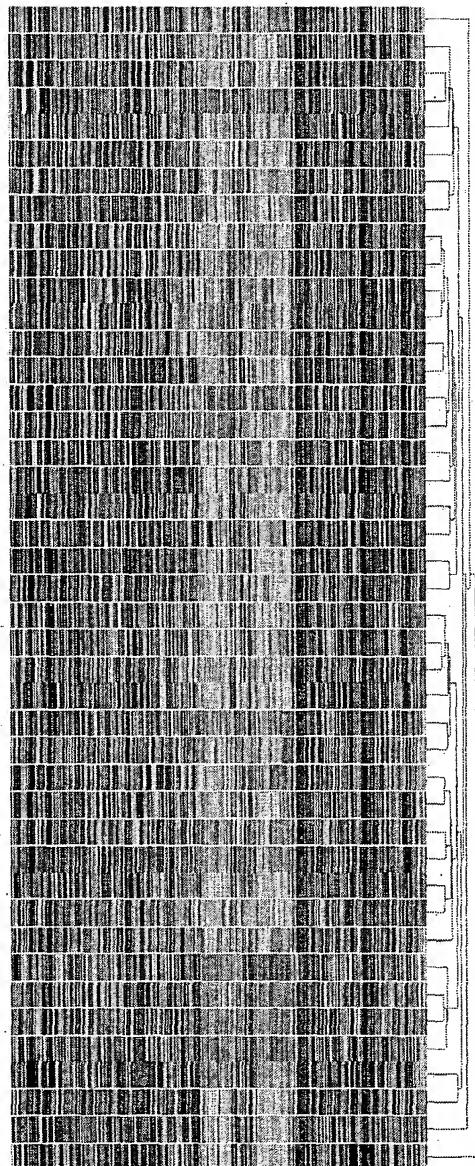
Depression: 3

Non-depression: 37

Normal: 12

Differentially Expressed Genes ( $p < 0.05$ ): 941

Figure 22  
Osteoarthritis



Marked      Normal      Mild      Severe      Moderate

Osteoarthritis: 9 mild, 8 moderate, 8 marked, 9 severe

Normal: 9

Differentially Expressed Genes ( $p < 0.05$ ): 300

**Figure 23**  
RT-PCR of overexpressed genes in CAD peripheral blood cells identified using microarray experiments, including PBP, PF4 and F13A..

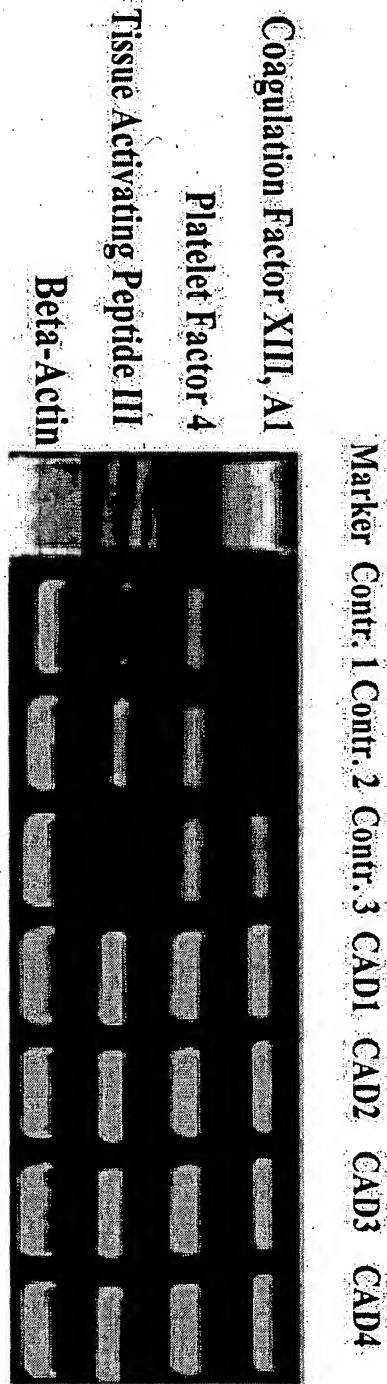
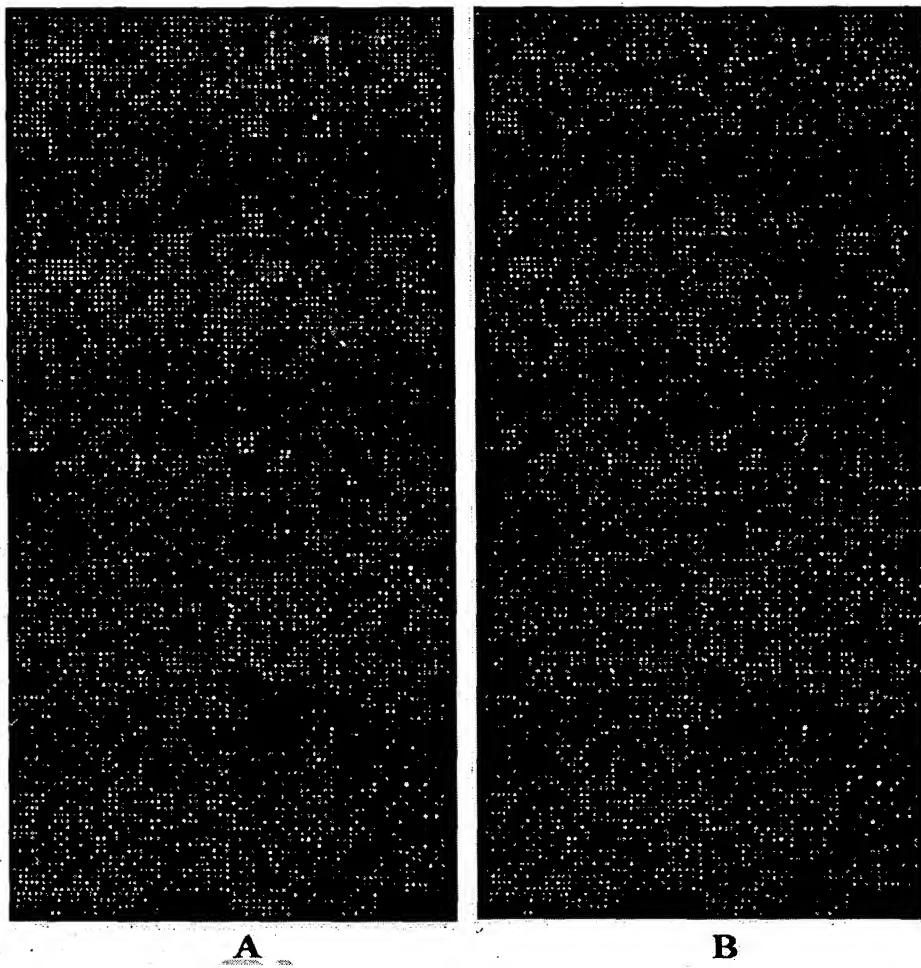


Figure 24



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